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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/904,485

DATE: 12/07/2001

TIME: 17:48:06

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Output Set: N:\CRF3\12072001\I904485.raw

3 <110> APPLICANT: Genentech, Inc.
4 Ashkenazi, Avi
5 Botstein, David
6 Desnoyers, Luc
7 Eaton, Dan L.
8 Ferrara, Napoleone
9 Filvaroff, Ellen
10 Fong, Sherman
11 Gao, Wei-Qiang
12 Gerber, Hanspeter
13 Gerritsen, Mary F.
14 Goddard, A.
15 Godowski, Paul J.
16 Grimaldi, Christopher J.
17 Gurney, Austin L.
18 Hillan, Kenneth, J.
19 Kljavin, Ivar J.
20 Mather, Jennie P.
21 Pan, James
22 Paoni, Nicholas F.
23 Roy, Margaret Ann
24 Stewart, Timothy A.
25 Tumas, Daniel
26 Williams, P. Mickey
27 Wood, William, I.
29 <120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
30 Acids Encoding the Same
32 <130> FILE REFERENCE: 10466-14
34 <140> CURRENT APPLICATION NUMBER: 09/904,485
35 <141> CURRENT FILING DATE: 2001-07-13
37 <150> PRIOR APPLICATION NUMBER: 09/665,350
38 <151> PRIOR FILING DATE: 2000-09-18
40 <150> PRIOR APPLICATION NUMBER: PCT/US00/04414
41 <151> PRIOR FILING DATE: 2000-02-22
43 <150> PRIOR APPLICATION NUMBER: US 60/143,048
44 <151> PRIOR FILING DATE: 1999-07-07
46 <150> PRIOR APPLICATION NUMBER: US 60/145,698
47 <151> PRIOR FILING DATE: 1999-07-26
49 <150> PRIOR APPLICATION NUMBER: US 60/146,222
50 <151> PRIOR FILING DATE: 1999-07-28
52 <150> PRIOR APPLICATION NUMBER: PCT/US99/20594
53 <151> PRIOR FILING DATE: 1999-09-08
55 <150> PRIOR APPLICATION NUMBER: PCT/US99/20944
56 <151> PRIOR FILING DATE: 1999-09-13
58 <150> PRIOR APPLICATION NUMBER: PCT/US99/21090
59 <151> PRIOR FILING DATE: 1999-09-15
61 <150> PRIOR APPLICATION NUMBER: PCT/US99/21547

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65 <151> PRIOR FILING DATE: 1999-10-05
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68 <151> PRIOR FILING DATE: 1999-11-29
70 <150> PRIOR APPLICATION NUMBER: PCT/US99/28313
71 <151> PRIOR FILING DATE: 1999-11-30
73 <150> PRIOR APPLICATION NUMBER: PCT/US99/28564
74 <151> PRIOR FILING DATE: 1999-12-02
76 <150> PRIOR APPLICATION NUMBER: PCT/US99/28565
77 <151> PRIOR FILING DATE: 1999-12-02
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104 tggagctccg gctgcgtctt cccgcagcgc taccgcccat gcgcctgccg 150
106 cgccggggccg cgctggggct cctgccgctt ctgctgctgc tgcgcgccgc 200
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110 tggacaagtt taaccagggg atggtggaca ccgcaaagaa gaactttggc 300
112 ggcgggaaca cggtctggga ggaaaagacg ctgtccaagt acgagtccag 350
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116 tcgaatgcaa tcagatgcta gaggcgagg aggagcacct ggaggcctgg 450
118 tggctgcagc tgaagagcga atatcctgac ttattcgagt ggttttgtgt 500
120 gaagacactg aaagtgtgct gctctccagg aacctacggt cccgactgtc 550
122 tcgcatgcca gggcggtacc cagaggccct gcagcgggaa tggccactgc 600
124 agcggagatg ggagcagaca gggcgacggg tcctgccggt gccacatggg 650
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128 tccggaacga gacccacagc atctgcacag cctgtgacga gtccatgcaag 750
130 acgtgctcgg gcctgaccaa cagagactgc ggcgagtgtg aagtgggctg 800
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136 acgtgcgaag agtgtgactc cagctgtgtg ggctgcacag gggaaggccc 950
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142 aacgaaaact gctacaatac tccagggagc tacgtctgtg tgtgtcctga 1100
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148 tgtgccggac ttacccttta aattattcag aaggatgtcc cgtggaaaat 1250
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154 gacctgcttc taacgggtga ttctcatttg tcccttaaag agctgcattt 1350
156 cttggttggt cttaaacaga cttgtatatt ttgatacagt tctttgtaat 1400
158 aaaattgacc attgtaggta atcaggagga aaaaaaaaaa aaaaaaaaaa 1450
160 aaagggcggc cgcgactcta gagtcgacct gcagaagctt ggccgccatg 1500
162 gcccaacttg tttattgcag cttataatgg ttacaaataa agcaatagca 1550
164 tcacaaatth cacaataaaa gcattttttt cactgcattc tagttgtggt 1600
166 ttgtccaaac tcatcaatgt atcttatcat gtctggatcg ggaattaatt 1650
168 cggcgcagca ccatggcctg aaataacctc tgaaagagga acttggttag 1700
170 gtaccttctg aggcggaaag aaccagctgt ggaatgtgtg tcagttaggg 1750
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174 ctcaattagt cagcaacca gtttt 1825
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177 <211> LENGTH: 353
178 <212> TYPE: PRT
179 <213> ORGANISM: Homo Sapien
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186 20 25 30
188 Cys His Arg Cys Arg Gly Leu Val Asp Lys Phe Asn Gln Gly Met
189 35 40 45
191 Val Asp Thr Ala Lys Lys Asn Phe Gly Gly Gly Asn Thr Ala Trp
192 50 55 60
194 Glu Glu Lys Thr Leu Ser Lys Tyr Glu Ser Ser Glu Ile Arg Leu
195 65 70 75
197 Leu Glu Ile Leu Glu Gly Leu Cys Glu Ser Ser Asp Phe Glu Cys
198 80 85 90
200 Asn Gln Met Leu Glu Ala Gln Glu Glu His Leu Glu Ala Trp Trp
201 95 100 105
203 Leu Gln Leu Lys Ser Glu Tyr Pro Asp Leu Phe Glu Trp Phe Cys
204 110 115 120
206 Val Lys Thr Leu Lys Val Cys Cys Ser Pro Gly Thr Tyr Gly Pro
207 125 130 135
209 Asp Cys Leu Ala Cys Gln Gly Gly Ser Gln Arg Pro Cys Ser Gly
210 140 145 150
212 Asn Gly His Cys Ser Gly Asp Gly Ser Arg Gln Gly Asp Gly Ser
213 155 160 165
215 Cys Arg Cys His Met Gly Tyr Gln Gly Pro Leu Cys Thr Asp Cys
216 170 175 180
219 Met Asp Gly Tyr Phe Ser Ser Leu Arg Asn Glu Thr His Ser Ile
220 185 190 195
222 Cys Thr Ala Cys Asp Glu Ser Cys Lys Thr Cys Ser Gly Leu Thr
223 200 205 210
225 Asn Arg Asp Cys Gly Glu Cys Glu Val Gly Trp Val Leu Asp Glu
226 215 220 225
228 Gly Ala Cys Val Asp Val Asp Glu Cys Ala Ala Glu Pro Pro Pro

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|-----|-----------------------------|---------------------|---------------------|------------|------------|------|
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| 231 | Cys Ser Ala Ala | Gln Phe Cys Lys Asn | Ala Asn Gly Ser Tyr | Thr | | |
| 232 | | 245 | | 250 | | 255 |
| 234 | Cys Glu Glu Cys | Asp Ser Ser Cys Val | Gly Cys Thr Gly Glu | Gly | | |
| 235 | | 260 | | 265 | | 270 |
| 237 | Pro Gly Asn Cys | Lys Glu Cys Ile Ser | Gly Tyr Ala Arg Glu | His | | |
| 238 | | 275 | | 280 | | 285 |
| 240 | Gly Gln Cys Ala | Asp Val Asp Glu Cys | Ser Leu Ala Glu Lys | Thr | | |
| 241 | | 290 | | 295 | | 300 |
| 243 | Cys Val Arg Lys | Asn Glu Asn Cys Tyr | Asn Thr Pro Gly Ser | Tyr | | |
| 244 | | 305 | | 310 | | 315 |
| 246 | Val Cys Val Cys | Pro Asp Gly Phe Glu | Glu Thr Glu Asp Ala | Cys | | |
| 247 | | 320 | | 325 | | 330 |
| 249 | Val Pro Pro Ala | Glu Ala Glu Ala Thr | Glu Gly Glu Ser Pro | Thr | | |
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| 257 | <212> TYPE: DNA | | | | | |
| 258 | <213> ORGANISM: Homo Sapien | | | | | |
| 260 | <400> SEQUENCE: 3 | | | | | |
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| 263 | tagagatccc | tgcacctcga | cccacgcgtc | cgccaggccg | ggaggcgacg | 100 |
| 265 | cgcccagccg | tctaaacggg | aacagccctg | gctgagggag | ctgcagcgca | 150 |
| 267 | gcagagtatc | tgacggcgcc | agggttgcgt | ggtgcggcac | gaggagtttt | 200 |
| 269 | cccggcagcg | aggaggctct | gagcagcatg | gcccggagga | gcgccttccc | 250 |
| 271 | tgccgcccgg | ctctggctct | ggagcatcct | cctgtgcctg | ctggcactgc | 300 |
| 273 | gggcggaggg | cgggcccggc | caggaggaga | gcctgtacct | atggatcgat | 350 |
| 275 | gtcaccagg | caagagtact | cataggattt | gaagaagata | tcctgattgt | 400 |
| 277 | ttcagagggg | aaaatggcac | cttttacaca | tgatttcaga | aaagcgcaac | 450 |
| 279 | agagaatgcc | agctattcct | gtcaatatcc | attccatgaa | ttttacctgg | 500 |
| 281 | caagctgcag | ggcaggcaga | atacttctat | gaattcctgt | ccttgcgctc | 550 |
| 284 | cctggataaa | ggcatcatgg | cagatccaac | cgtcaatgtc | cctctgctgg | 600 |
| 286 | gaacagtgcc | tcacaaggca | tcagttgttc | aagttggttt | cccatgtctt | 650 |
| 288 | ggaaaacagg | atgggggtgg | agcatttgaa | gtggatgtga | ttgttatgaa | 700 |
| 290 | ttctgaaggc | aacaccatcc | tccaaacacc | tcaaaatgct | atcttcttta | 750 |
| 292 | aaacatgtca | acaagctgag | tgcccaggcg | ggtgccgaaa | tggaggcttt | 800 |
| 294 | tgtaatgaaa | gacgcattct | cgagtgtcct | gatgggttcc | acggacctca | 850 |
| 296 | ctgtgagaaa | gccctttgta | ccccacgatg | tatgaatggt | ggactttgtg | 900 |
| 298 | tgactcctgg | tttctgcata | tgcccacctg | gattctatgg | agtgaactgt | 950 |
| 300 | gacaaagcaa | actgctcaac | cacctgcttt | aatggaggga | cctgtttcta | 1000 |
| 302 | ccctggaaaa | tgtatttgcc | ctccaggact | agagggagag | cagtgtgaaa | 1050 |
| 304 | tcagcaaatg | cccacaaccc | tgtcgaaatg | gaggtaaagt | cattggtaaa | 1100 |
| 306 | agcaaatgta | agtgttccaa | aggttaccag | ggagacctct | gttcaaagcc | 1150 |
| 308 | tgtctgcgag | cctggctgtg | gtgcacatgg | aacctgccat | gaaccaaca | 1200 |
| 310 | aatgccaatg | tcaagaaggt | tgcatggaa | gacactgcaa | taaaaggtag | 1250 |
| 312 | gaagccagcc | tcatacatgc | cctgaggcca | gcaggcgccc | agctcaggca | 1300 |
| 314 | gcacacgcct | tcacttaaaa | aggccgagga | gcggcgggat | ccacctgaat | 1350 |

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Output Set: N:\CRF3\12072001\I904485.raw

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318 agttcatagc ctttgtaaac ctttcatgtg ttgaatgttc aaataatggt 1450
320 cattacactt aagaatactg gcoctgaattt tattagcttc attataaatc 1500
322 actgagctga tatttactct tcccttttaag ttttctaagt acgtctgtag 1550
324 catgatggta tagattttct tgtttcagtg ctttgggaca gattttatat 1600
326 tatgtcaatt gatcagggtta aaatttttcag tgtgtagttg gcagatatatt 1650
328 tcaaaaattac aatgcattta tgggtgtctgg gggcagggga acatcagaaa 1700
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334 ttgttacatt tttaaaaatt gctcttaatt tttaaactct caatacaata 1850
336 tattttgacc ttaccattat tccagagatt cagtattaaa aaaaaaaaaa 1900
338 ttacactgtg gtagtggcat ttaacaata taatatattc taaacacaat 1950
340 gaaataggga atataatgta tgaacttttt gcattggctt gaagcaatat 2000
342 aatatattgt aaacaaaaca cagctcttac ctaataaaca ttttatactg 2050
344 tttgtatgta taaaataaag gtgctgcttt agtttttttg aaaaaaaaaa 2100
346 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcgggcgc gactctagag 2150
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351 ataattg 2206

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353 <210> SEQ ID NO: 4

354 <211> LENGTH: 379

355 <212> TYPE: PRT

356 <213> ORGANISM: Homo Sapien

358 <400> SEQUENCE: 4

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363      20              25              30
365 Pro Gln Glu Glu Ser Leu Tyr Leu Trp Ile Asp Ala His Gln Ala
366      35              40              45
368 Arg Val Leu Ile Gly Phe Glu Glu Asp Ile Leu Ile Val Ser Glu
369      50              55              60
371 Gly Lys Met Ala Pro Phe Thr His Asp Phe Arg Lys Ala Gln Gln
372      65              70              75
374 Arg Met Pro Ala Ile Pro Val Asn Ile His Ser Met Asn Phe Thr
375      80              85              90
377 Trp Gln Ala Ala Gly Gln Ala Glu Tyr Phe Tyr Glu Phe Leu Ser
378      95              100             105
380 Leu Arg Ser Leu Asp Lys Gly Ile Met Ala Asp Pro Thr Val Asn
381      110             115             120
383 Val Pro Leu Leu Gly Thr Val Pro His Lys Ala Ser Val Val Gln
384      125             130             135
386 Val Gly Phe Pro Cys Leu Gly Lys Gln Asp Gly Val Ala Ala Phe
387      140             145             150
389 Glu Val Asp Val Ile Val Met Asn Ser Glu Gly Asn Thr Ile Leu
390      155             160             165
392 Gln Thr Pro Gln Asn Ala Ile Phe Phe Lys Thr Cys Gln Gln Ala
393      170             175             180
395 Glu Cys Pro Gly Gly Cys Arg Asn Gly Gly Phe Cys Asn Glu Arg
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VERIFICATION SUMMARY

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L:4669 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113
L:5254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131
L:6950 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174
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L:8528 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206